

Application No: 10/668,831  
Attorney Docket No. 82410.0068/0B-045200US  
Response to Office action dated April 4, 2006  
Reply and Amendment of July 5, 2006

**Amendments to the Abstract:**

Disclosed is a method of manufacturing a A catheter or lead having electrically conductive traces and external electrical contacts. Each trace may be in electrical connection with one or more external electrical contacts. More specifically, each trace is typically electrically connected to a single contact. The traces and contacts may assist in diagnosis and/or detection of bio-electric signals emitted by organs, and may transmit such signals to a connector or diagnostic device affixed to the catheter. The external contacts may detect bioelectric energy or may deliver electrical energy to a target site.